What is claimed is:

1. A radiation cassette comprising:

a casing for storing a radiation image recording medium therein; and

a light shielding plate for holding the radiation image recording medium in a light-shielded condition, said light shielding plate having a lid openably and closably mounted on at least a portion of said casing;

said casing comprising:

a flat plate for being irradiated with a radiation from an external source;

a plurality of metal plates disposed on edges of inner surfaces of ends of said flat plate; and

a plurality of resin frames integrally molded on the ends of said flat plate in embedding relation to said metal frames.

2. A radiation cassette according to claim 1, wherein each of said metal frames is of an L-shaped cross section.

3. A radiation cassette according to claim 2, wherein each of said metal frames has a plurality of openings defined in a bottom panel thereof which is mounted on said flat plate.

4. A radiation cassette according to claim 1, wherein

said flat plate has four ends, said resin frames being integrally molded in embedding relation to said metal plates on the three ends except the end which provides an opening for removing the radiation image recording medium.

5. A radiation cassette according to claim 1, wherein said light shielding plate has bent edges on ends thereof which project toward said casing, and reinforcing metal members attached to respective inner surfaces of said bend edges.

6. A radiation cassette according to claim 5, wherein said bent edges have a plurality of projections on inner surfaces thereof, and said reinforcing metal members have a plurality of holes, said projections being inserted respectively in said holes.

7. A radiation cassette according to claim 1, wherein said flat plate is of a three-layer structure including two carbon layers providing opposite surfaces and an insulating layer interposed between said carbon layers, said insulating layer having an insulating strength of at least 5 kV.

8. A radiation cassette according to claim 7, wherein said insulating layer has a thickness not more than 0.3 mm.

9. A radiation cassette comprising:

a casing for storing a radiation image recording medium therein; and

a light shielding plate for holding the radiation image recording medium in a light-shielded condition, said light shielding plate having a lid openably and closably mounted on at least a portion of said casing;

said casing comprising:

a flat plate for being irradiated with a radiation from an external source;

said flat plate being of a three-layer structure including two carbon layers providing opposite surfaces and an insulating layer interposed between said carbon layers, said insulating layer having an insulating strength of at least 5 kV.

10. A radiation cassette according to claim 9, wherein said insulating layer has a thickness not more than 0.3 mm.

11. A method of manufacturing a radiation cassette including a casing for storing a radiation image recording medium therein, and a light shielding plate for holding the radiation image recording medium in a light-shielded condition, said light shielding plate having a lid openably and closably mounted on at least a portion of said casing, said method comprising the steps of:

placing metal plates on edges of inner surfaces of ends of a flat plate for being irradiated with a radiation from

an external source;

integrally molding a plurality of resin frames on the ends of said flat plate in embedding relation to said metal frames, thus producing said lid.

12. A method according to claim 11, wherein if said casing is deformed after said resin frames are integrally molded, said metal frames are pressed to correct said casing out of the deformation.

13. A method according to claim 11, wherein each of said metal frames is of an L-shaped cross section.

14. A method according to claim 13, wherein each of said metal frames has a plurality of openings defined in a bottom panel thereof which is mounted on said flat plate.

15. A method according to claim 11, wherein said flat plate has four ends, said resin frames being integrally molded in embedding relation to said metal plates on the three ends except the end which provides an opening for removing the radiation image recording medium.